Scharf, Steven (DEC)

From: Brian Caldwell <bcaldwell@Ensafe.com>
Sent: Monday, May 02, 2016 12:46 PM

To: Wilkie, Henry (DEC); Scharf, Steven (DEC); Karpinski, Steven (HEALTH); Bethoney, Charlotte M. (HEALTH)

Cc: Fly, Lora B CIV NAVFAC MIDLANT, IPTNORTH; Allan Jenkins; Dana Miller; Vivaudou, Eleanor (Eleanor.Vivaudou@aecom.com);

mboufis@bethpagewater.com; pschimmel@bethpagewater.com

Subject: BWD Pilot Study - Week 5 results

Attachments: pl 6 voc 4 22 16.pdf; samples 1 4 dioxane 4 22 16.pdf

ATTENTION. This email came from an external source. Do not open attachments or click on links from unknown senders or unexpected emails.

All:

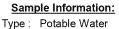
Please find attached the BWD Pilot Study Week 5 results. Only well 6-2 was pumping during Week 5.

Regards,

Brian

Brian Caldwell, PG CPG EnSafe/Resolution Consultants Senior Hydrogeologist 308 North Peters Road, Suite 200 Knoxville TN 37922 Office: (865) 693-3623 Cell: (865) 803-6295





NYSDOH ID#10478

LABORATORY RESULTS

Origin: Raw Well Results are only for the samples and analytes requested. Routine

The lab is not directly responsible for the integrity of the sample before receipt at the lab and is responsible only for the tests requested.

Bethpage Water District

25 Adams Ave.

Lab No. : 1604E54-001 Client Sample ID.: N-03876 Bethpage, NY 11714

www.pacelabs.com

Attn To: Michael Boufis Federal ID: 2902817

Collected: 04/15/2016 10:30 AM Point No N-03876 Received: 04/15/2016 10:56 AM Location: Well 6-1

Collected By: PS99

Analytical Method: E524.2 : I		D.E.	11-26-	Limit	A I I	Analyst: MaiN
Parameter(s)	Results Qualifier	<u>D.F.</u>	<u>Units</u>	<u>Limit</u>	<u>Analyzed:</u>	Container:
1,1,1,2-Tetrachloroethane	< 0.50	1	μg/L	5	04/18/2016 10:14 PM	Container-01 of 02
1,1,1-Trichloroethane	< 0.50	1	μg/L	5	04/18/2016 10:14 PM	Container-01 of 02
1,1,2,2-Tetrachloroethane	< 0.50	1	μg/L	5	04/18/2016 10:14 PM	Container-01 of 02
1,1,2-Trichloroethane	< 0.50	1	μg/L	5	04/18/2016 10:14 PM	Container-01 of 02
1,1-Dichloroethane	< 0.50	1	μg/L	5	04/18/2016 10:14 PM	Container-01 of 02
1,1-Dichloroethene	< 0.50	1	μg/L	5	04/18/2016 10:14 PM	Container-01 of 02
1,1-Dichloropropene	< 0.50	1	μg/L	5	04/18/2016 10:14 PM	Container-01 of 02
1,2,3-Trichlorobenzene	< 0.50	1	μg/L	5	04/18/2016 10:14 PM	Container-01 of 02
1,2,3-Trichloropropane	< 0.50	1	μg/L	5	04/18/2016 10:14 PM	Container-01 of 02
1,2,4-Trichlorobenzene	< 0.50	1	μg/L	5	04/18/2016 10:14 PM	Container-01 of 02
1,2,4-Trimethylbenzene	< 0.50	1	μg/L	5	04/18/2016 10:14 PM	Container-01 of 02
1,2-Dichlorobenzene	< 0.50	1	μg/L	5	04/18/2016 10:14 PM	Container-01 of 02
1,2-Dichloroethane	< 0.50	1	μg/L	5	04/18/2016 10:14 PM	Container-01 of 02
1,2-Dichloropropane	< 0.50	1	μg/L	5	04/18/2016 10:14 PM	Container-01 of 02
1,3,5-Trimethylbenzene	< 0.50	1	μg/L	5	04/18/2016 10:14 PM	Container-01 of 02
1,3-Dichlorobenzene	< 0.50	1	μg/L	5	04/18/2016 10:14 PM	Container-01 of 02
1,3-Dichloropropane	< 0.50	1	μg/L	5	04/18/2016 10:14 PM	Container-01 of 02
1,4-Dichlorobenzene	< 0.50	1	μg/L	5	04/18/2016 10:14 PM	Container-01 of 02
2,2-Dichloropropane	< 0.50	1	μg/L	5	04/18/2016 10:14 PM	Container-01 of 02
2/4-Chlorotoluene	< 0.50	1	μg/L	5	04/18/2016 10:14 PM	Container-01 of 02
4-Isopropyltoluene	< 0.50	1	μg/L	5	04/18/2016 10:14 PM	Container-01 of 02
Benzene	< 0.50	1	μg/L	5	04/18/2016 10:14 PM	Container-01 of 02
Bromobenzene	< 0.50	1	μg/L	5	04/18/2016 10:14 PM	Container-01 of 02
Bromochloromethane	< 0.50	1	μg/L	5	04/18/2016 10:14 PM	Container-01 of 02

Qualifiers: E = Value above quantitation range, Value estimated.

B = Found in Blank

D.F. = Dilution Factor D = Results for Dilution

c = Calibration acceptability criteria exceeded for this analyte. Value estimated

H = Received/analyzed outside of analytical holding time

J = Estimated value - below calibration range

M-, M+ = Matrix Spike recovery below / above control limit

N = Indicates presumptive evidence of compound

P = Duplicate RPD outside of control limit

r = Reporting limit below calibration range. Value estimated.

S = Recovery outside of control limits for this analyte

+ = NYSDOH ELAP does not offer certification for this analyte / matrix / method

Result(s) reported meet(s) NYS Regulatory Limit(s).

Result(s) flagged with * Exceed NYS Regulatory Limit(s). Limit noted.

Date Reported: 4/19/2016

Stu Munell

Sr.Project Manager: Stu Murrell

Test results meet the requirements of NELAC unless otherwise noted.

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Page 1 of 11



LABORATORY RESULTS

Lab No. : 1604E54-001

Client Sample ID.: N-03876

Type: Potable Water Origin: Raw Well

Results are only for the samples and analytes requested. Routine

The lab is not directly responsible for the integrity of the sample before receipt at the lab and is responsible only for the tests requested.

Bethpage Water District

25 Adams Ave.

Federal ID: 2902817

Bethpage, NY 11714

NYSDOH ID#10478

Attn To: Michael Boufis

www.pacelabs.com

Collected: 04/15/2016 10:30 AM Point No N-03876 Received: 04/15/2016 10:56 AM Location: Well 6-1

Collected By: PS99

Analytical Method: E524.2	: POC					Analyst: MaiN
Parameter(s)	Results Qualifier	<u>D.F.</u>	<u>Units</u>	<u>Limit</u>	Analyzed:	Container:
Bromodichloromethane	< 0.50	1	μg/L		04/18/2016 10:14 PM	Container-01 of 02
Bromoform	< 0.50	1	μg/L		04/18/2016 10:14 PM	Container-01 of 02
Bromomethane	< 0.50	1	μg/L	5	04/18/2016 10:14 PM	Container-01 of 02
Carbon tetrachloride	< 0.50	1	μg/L	5	04/18/2016 10:14 PM	Container-01 of 02
Chlorobenzene	< 0.50	1	μg/L	5	04/18/2016 10:14 PM	Container-01 of 02
Chloroethane	< 0.50	1	μg/L	5	04/18/2016 10:14 PM	Container-01 of 02
Chloroform	< 0.50	1	μg/L		04/18/2016 10:14 PM	Container-01 of 02
Chloromethane	< 0.50	1	μg/L	5	04/18/2016 10:14 PM	Container-01 of 02
cis-1,2-Dichloroethene	< 0.50	1	μg/L	5	04/18/2016 10:14 PM	Container-01 of 02
cis-1,3-Dichloropropene	< 0.50	1	μg/L	5	04/18/2016 10:14 PM	Container-01 of 02
Dibromochloromethane	< 0.50	1	μg/L		04/18/2016 10:14 PM	Container-01 of 02
Dibromomethane	< 0.50	1	μg/L	5	04/18/2016 10:14 PM	Container-01 of 02
Dichlorodifluoromethane	< 0.50	1	μg/L	5	04/18/2016 10:14 PM	Container-01 of 02
Ethylbenzene	< 0.50	1	μg/L	5	04/18/2016 10:14 PM	Container-01 of 02
Hexachlorobutadiene	< 0.50	1	μg/L	5	04/18/2016 10:14 PM	Container-01 of 02
Isopropylbenzene	< 0.50	1	μg/ L	5	04/18/2016 10:14 PM	Container-01 of 02
m,p-Xylene	< 0.50	1	μg/ L	5	04/18/2016 10:14 PM	Container-01 of 02
Methyl tert-butyl ether	< 0.50	1	μg/ L	10	04/18/2016 10:14 PM	Container-01 of 02
Methylene chloride	< 0.50	1	μg/ L	5	04/18/2016 10:14 PM	Container-01 of 02
n-Butylbenzene	< 0.50	1	μg/ L	5	04/18/2016 10:14 PM	Container-01 of 02
n-Propylbenzene	< 0.50	1	μg/ L	5	04/18/2016 10:14 PM	Container-01 of 02
o-Xylene	< 0.50	1	μg/ L	5	04/18/2016 10:14 PM	Container-01 of 02
sec-Butylbenzene	< 0.50	1	μg/L	5	04/18/2016 10:14 PM	Container-01 of 02
Styrene	< 0.50	1	μg/L	5	04/18/2016 10:14 PM	Container-01 of 02

Qualifiers: E = Value above quantitation range, Value estimated.

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D.F. = Dilution Factor D = Results for Dilution

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+ = NYSDOH ELAP does not offer certification for this analyte / matrix / method

Result(s) reported meet(s) NYS Regulatory Limit(s).

Result(s) flagged with * Exceed NYS Regulatory Limit(s). Limit noted.

Date Reported: 4/19/2016

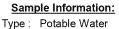
Stu Munell

Sr.Project Manager: Stu Murrell

Test results meet the requirements of NELAC unless otherwise noted.

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Page 2 of 11



NYSDOH ID#10478

LABORATORY RESULTS

Origin: Raw Well Results are only for the samples and analytes requested. Routine

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Bethpage Water District

25 Adams Ave.

Bethpage, NY 11714

Client Sample ID.: N-03876

www.pacelabs.com

Attn To: Michael Boufis Federal ID: 2902817

Collected: 04/15/2016 10:30 AM Point No N-03876 Received: 04/15/2016 10:56 AM Location: Well 6-1

Collected By: PS99

Analytical Method: E524.2 : Po	C								Analyst: MaiN
Parameter(s)		Results Qu	<u>ualifier</u>	D.F.	<u>Units</u>		<u>Limit</u>	Analyzed:	Container:
tert-Butylbenzene		< 0.50		1	μg/L		5	04/18/2016 10:14 PM	Container-01 of 02
Tetrachloroethene		3.33		1	μg/L		5	04/18/2016 10:14 PM	Container-01 of 02
Toluene		< 0.50		1	μg/L		5	04/18/2016 10:14 PM	Container-01 of 02
Total Trihalomethanes		< 2.00		1	μg/L		80	04/18/2016 10:14 PM	Container-01 of 02
trans-1,2-Dichloroethene		< 0.50		1	μg/L		5	04/18/2016 10:14 PM	Container-01 of 02
trans-1,3-Dichloropropene		< 0.50		1	μg/L		5	04/18/2016 10:14 PM	Container-01 of 02
Trichloroethene	*	38.9	*	1	μg/L		5	04/18/2016 10:14 PM	Container-01 of 02
Trichlorofluoromethane		< 0.50		1	μg/L		5	04/18/2016 10:14 PM	Container-01 of 02
Vinyl chloride		< 0.50		1	μg/L		2	04/18/2016 10:14 PM	Container-01 of 02
Surr: 1,2-Dichlorobenzene-d4		93.2		1	%Rec	Limit	70-130	04/18/2016 10:14 PM	Container-01 of 02
Surr: 4-Bromofluorobenzene		85.0		1	%Rec	Limit	70-130	04/18/2016 10:14 PM	Container-01 of 02

Lab No. : 1604E54-001

Qualifiers: E = Value above quantitation range, Value estimated.

B = Found in Blank

D.F. = Dilution Factor D = Results for Dilution

c = Calibration acceptability criteria exceeded for this analyte. Value estimated

H = Received/analyzed outside of analytical holding time

J = Estimated value - below calibration range

M-, M+ = Matrix Spike recovery below / above control limit

N = Indicates presumptive evidence of compound

P = Duplicate RPD outside of control limit

r = Reporting limit below calibration range. Value estimated.

S = Recovery outside of control limits for this analyte

+ = NYSDOH ELAP does not offer certification for this analyte / matrix / method

Result(s) reported meet(s) NYS Regulatory Limit(s).

Result(s) flagged with * Exceed NYS Regulatory Limit(s). Limit noted.

Date Reported: 4/19/2016

Stu Munell Sr.Project Manager: Stu Murrell

Test results meet the requirements of NELAC unless otherwise noted.

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Page 3 of 11



575 Broad Hollow Road, Melville, NY 11747 FAX: (631) 420-8436 TEL: (631) 694-3040

NYSDOH ID#10478

LABORATORY RESULTS

Type: Potable Water Origin: Raw Well

Results are only for the samples and analytes requested. Routine

The lab is not directly responsible for the integrity of the sample before receipt at the lab and is responsible only for the tests requested.

Bethpage Water District Lab No. : 1604E54-002 25 Adams Ave.

Client Sample ID.: N-08941 Bethpage, NY 11714

www.pacelabs.com

Attn To: Michael Boufis Federal ID: 2902817

Collected: 04/15/2016 10:30 AM Point No N-08941 Received: 04/15/2016 10:56 AM Location: Well 6-2

Collected By: PS99

Parameter(s) Results Qualifier D.F. Units Limit Analyzed; Container:	Analytical Method: E524.2 : PC	DC					Analyst: MaiN
1,1,1-Trichloroethane < 0.50	Parameter(s)	Results Qualifier	<u>D.F.</u>	<u>Units</u>	<u>Limit</u>	Analyzed:	Container:
1,1,2,2-Tetrachloroethane < 0.50	1,1,1,2-Tetrachloroethane	< 0.50	1	μg/L	5	04/18/2016 10:39 PM	Container-01 of 02
1,1,2-Trichloroethane < 0.50	1,1,1-Trichloroethane	< 0.50	1	μg/L	5	04/18/2016 10:39 PM	Container-01 of 02
1,1-Dichloroethane 1.01 1 µg/L 5 04/18/2016 10:39 PM Container-01 of 02 1,1-Dichloroethene < 0.50	1,1,2,2-Tetrachloroethane	< 0.50	1	μg/L	5	04/18/2016 10:39 PM	Container-01 of 02
1,1-Dichloroethene	1,1,2-Trichloroethane	< 0.50	1	μg/L	5	04/18/2016 10:39 PM	Container-01 of 02
1,1-Dichloropropene < 0.50	1,1-Dichloroethane	1.01	1	μg/L	5	04/18/2016 10:39 PM	Container-01 of 02
1,2,3-Trichlorobenzene	1,1-Dichloroethene	< 0.50	1	μg/L	5	04/18/2016 10:39 PM	Container-01 of 02
1,2,3-Trichloropropane	1,1-Dichloropropene	< 0.50	1	μg/L	5	04/18/2016 10:39 PM	Container-01 of 02
1,2,4-Trichlorobenzene < 0.50	1,2,3-Trichlorobenzene	< 0.50	1	μg/L	5	04/18/2016 10:39 PM	Container-01 of 02
1,2,4-Trimethylbenzene < 0.50 1 μg/L 5 04/18/2016 10:39 PM Container-01 of 02 1,2-Dichlorobenzene < 0.50 1 μg/L 5 04/18/2016 10:39 PM Container-01 of 02 1,2-Dichloroethane < 0.50 1 μg/L 5 04/18/2016 10:39 PM Container-01 of 02 1,2-Dichloropropane < 0.50 1 μg/L 5 04/18/2016 10:39 PM Container-01 of 02 1,3,5-Trimethylbenzene < 0.50 1 μg/L 5 04/18/2016 10:39 PM Container-01 of 02 1,3-Dichlorobenzene < 0.50 1 μg/L 5 04/18/2016 10:39 PM Container-01 of 02 1,3-Dichloropropane < 0.50 1 μg/L 5 04/18/2016 10:39 PM Container-01 of 02 1,3-Dichloropropane < 0.50 1 μg/L 5 04/18/2016 10:39 PM Container-01 of 02 1,4-Dichlorobenzene < 0.50 1 μg/L 5 04/18/2016 10:39 PM Container-01 of 02 2,2-Dichloropropane < 0.50 1 μg/L 5 04/18/2016 10:39 PM Container-01 of 02 2/4-Chlorotoluene < 0.50 1 μg/L 5 04/18/2016 10:39 PM Container-01 of 02 2/4-Chlorotoluene < 0.50 1 μg/L 5 04/18/2016 10:39 PM Container-01 of 02 4-Isopropyltoluene < 0.50 1 μg/L 5 04/18/2016 10:39 PM Container-01 of 02 Benzene < 0.50 1 μg/L 5 04/18/2016 10:39 PM Container-01 of 02 6 04/18/2016 10:39 PM C	1,2,3-Trichloropropane	< 0.50	1	μg/L	5	04/18/2016 10:39 PM	Container-01 of 02
1,2-Dichlorobenzene < 0.50 1 μg/L 5 04/18/2016 10:39 PM Container-01 of 02 1,2-Dichloropethane < 0.50 1 μg/L 5 04/18/2016 10:39 PM Container-01 of 02 1,2-Dichloropropane < 0.50 1 μg/L 5 04/18/2016 10:39 PM Container-01 of 02 1,3,5-Trimethylbenzene < 0.50 1 μg/L 5 04/18/2016 10:39 PM Container-01 of 02 1,3-Dichlorobenzene < 0.50 1 μg/L 5 04/18/2016 10:39 PM Container-01 of 02 1,3-Dichloropropane < 0.50 1 μg/L 5 04/18/2016 10:39 PM Container-01 of 02 1,3-Dichloropropane < 0.50 1 μg/L 5 04/18/2016 10:39 PM Container-01 of 02 1,4-Dichlorobenzene < 0.50 1 μg/L 5 04/18/2016 10:39 PM Container-01 of 02 2,2-Dichloropropane < 0.50 1 μg/L 5 04/18/2016 10:39 PM Container-01 of 02 2,2-Dichloropropane < 0.50 1 μg/L 5 04/18/2016 10:39 PM Container-01 of 02 2/4-Chlorotoluene < 0.50 1 μg/L 5 04/18/2016 10:39 PM Container-01 of 02 4-Isopropyltoluene < 0.50 1 μg/L 5 04/18/2016 10:39 PM Container-01 of 02 Benzene < 0.50 1 μg/L 5 04/18/2016 10:39 PM Container-01 of 02	1,2,4-Trichlorobenzene	< 0.50	1	μg/L	5	04/18/2016 10:39 PM	Container-01 of 02
1,2-Dichloroethane < 0.50 1 μg/L 5 04/18/2016 10:39 PM Container-01 of 02 1,2-Dichloropropane < 0.50 1 μg/L 5 04/18/2016 10:39 PM Container-01 of 02 1,3,5-Trimethylbenzene < 0.50 1 μg/L 5 04/18/2016 10:39 PM Container-01 of 02 1,3-Dichlorobenzene < 0.50 1 μg/L 5 04/18/2016 10:39 PM Container-01 of 02 1,3-Dichloropropane < 0.50 1 μg/L 5 04/18/2016 10:39 PM Container-01 of 02 1,3-Dichloropropane < 0.50 1 μg/L 5 04/18/2016 10:39 PM Container-01 of 02 1,4-Dichlorobenzene < 0.50 1 μg/L 5 04/18/2016 10:39 PM Container-01 of 02 2,2-Dichloropropane < 0.50 1 μg/L 5 04/18/2016 10:39 PM Container-01 of 02 2/4-Chlorotoluene < 0.50 1 μg/L 5 04/18/2016 10:39 PM Container-01 of 02 4-Isopropyltoluene < 0.50 1 μg/L 5 04/18/2016 10:39 PM Container-01 of 02 4-Isopropyltoluene < 0.50 1 μg/L 5 04/18/2016 10:39 PM Container-01 of 02 Benzene < 0.50 1 μg/L 5 04/18/2016 10:39 PM Container-01 of 02	1,2,4-Trimethylbenzene	< 0.50	1	μg/L	5	04/18/2016 10:39 PM	Container-01 of 02
1,2-Dichloropropane < 0.50	1,2-Dichlorobenzene	< 0.50	1	μg/L	5	04/18/2016 10:39 PM	Container-01 of 02
1,3,5-Trimethylbenzene < 0.50 1 μg/L 5 04/18/2016 10:39 PM Container-01 of 02 1,3-Dichlorobenzene < 0.50 1 μg/L 5 04/18/2016 10:39 PM Container-01 of 02 1,3-Dichloropropane < 0.50 1 μg/L 5 04/18/2016 10:39 PM Container-01 of 02 1,4-Dichlorobenzene < 0.50 1 μg/L 5 04/18/2016 10:39 PM Container-01 of 02 2,2-Dichloropropane < 0.50 1 μg/L 5 04/18/2016 10:39 PM Container-01 of 02 2,2-Dichloropropane < 0.50 1 μg/L 5 04/18/2016 10:39 PM Container-01 of 02 2/4-Chlorotoluene < 0.50 1 μg/L 5 04/18/2016 10:39 PM Container-01 of 02 4-Isopropyltoluene < 0.50 1 μg/L 5 04/18/2016 10:39 PM Container-01 of 02 Benzene < 0.50 1 μg/L 5 04/18/2016 10:39 PM Container-01 of 02 Container-01 of 02 D4/18/2016 10:39 PM Container-01 of 0	1,2-Dichloroethane	< 0.50	1	μg/L	5	04/18/2016 10:39 PM	Container-01 of 02
1,3-Dichlorobenzene < 0.50 1 μg/L 5 04/18/2016 10:39 PM Container-01 of 02 1,3-Dichloropropane < 0.50 1 μg/L 5 04/18/2016 10:39 PM Container-01 of 02 1,4-Dichlorobenzene < 0.50 1 μg/L 5 04/18/2016 10:39 PM Container-01 of 02 2,2-Dichloropropane < 0.50 1 μg/L 5 04/18/2016 10:39 PM Container-01 of 02 2/4-Chlorotoluene < 0.50 1 μg/L 5 04/18/2016 10:39 PM Container-01 of 02 2/4-Chlorotoluene < 0.50 1 μg/L 5 04/18/2016 10:39 PM Container-01 of 02 4-Isopropyltoluene < 0.50 1 μg/L 5 04/18/2016 10:39 PM Container-01 of 02 Benzene < 0.50 1 μg/L 5 04/18/2016 10:39 PM Container-01 of 02 Container-01 of 02 D4/18/2016 10:39 PM Container-01 of 02	1,2-Dichloropropane	< 0.50	1	μg/L	5	04/18/2016 10:39 PM	Container-01 of 02
1,3-Dichloropropane < 0.50	1,3,5-Trimethylbenzene	< 0.50	1	μg/L	5	04/18/2016 10:39 PM	Container-01 of 02
1,4-Dichlorobenzene < 0.50 1 μg/L 5 04/18/2016 10:39 PM Container-01 of 02 2,2-Dichloropropane < 0.50 1 μg/L 5 04/18/2016 10:39 PM Container-01 of 02 2/4-Chlorotoluene < 0.50 1 μg/L 5 04/18/2016 10:39 PM Container-01 of 02 4-Isopropyltoluene < 0.50 1 μg/L 5 04/18/2016 10:39 PM Container-01 of 02 Benzene < 0.50 1 μg/L 5 04/18/2016 10:39 PM Container-01 of 02 04/18/20	1,3-Dichlorobenzene	< 0.50	1	μg/L	5	04/18/2016 10:39 PM	Container-01 of 02
2,2-Dichloropropane < 0.50	1,3-Dichloropropane	< 0.50	1	μg/L	5	04/18/2016 10:39 PM	Container-01 of 02
2/4-Chlorotoluene < 0.50	1,4-Dichlorobenzene	< 0.50	1	μg/L	5	04/18/2016 10:39 PM	Container-01 of 02
4-Isopropyltoluene < 0.50 1 μg/L 5 04/18/2016 10:39 PM Container-01 of 02 Benzene < 0.50 1 μg/L 5 04/18/2016 10:39 PM Container-01 of 02 Bromobenzene < 0.50 1 μg/L 5 04/18/2016 10:39 PM Container-01 of 02	2,2-Dichloropropane	< 0.50	1	μg/L	5	04/18/2016 10:39 PM	Container-01 of 02
Benzene < 0.50 1 μg/L 5 04/18/2016 10:39 PM Container-01 of 02 Bromobenzene < 0.50	2/4-Chlorotoluene	< 0.50	1	μg/L	5	04/18/2016 10:39 PM	Container-01 of 02
Bromobenzene < 0.50 1 μg/L 5 04/18/2016 10:39 PM Container-01 of 02	4-Isopropyltoluene	< 0.50	1	μg/ L	5	04/18/2016 10:39 PM	Container-01 of 02
	Benzene	< 0.50	1	μg/L	5	04/18/2016 10:39 PM	Container-01 of 02
Bromochloromethane < 0.50 1 μg/L 5 04/18/2016 10:39 PM Container-01 of 02	Bromobenzene	< 0.50	1	μg/L	5	04/18/2016 10:39 PM	Container-01 of 02
	Bromochloromethane	< 0.50	1	μg/L	5	04/18/2016 10:39 PM	Container-01 of 02

Qualifiers: E = Value above quantitation range, Value estimated.

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D.F. = Dilution Factor D = Results for Dilution

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r = Reporting limit below calibration range. Value estimated.

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+ = NYSDOH ELAP does not offer certification for this analyte / matrix / method

Result(s) reported meet(s) NYS Regulatory Limit(s). Result(s) flagged with * Exceed NYS Regulatory Limit(s). Limit noted.

Date Reported: 4/19/2016

Stu Munell Sr.Project Manager: Stu Murrell

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Page 4 of 11



NYSDOH ID#10478

LABORATORY RESULTS

Type: Potable Water Origin: Raw Well

Results are only for the samples and analytes requested. Routine

The lab is not directly responsible for the integrity of the sample before receipt at the lab and is responsible only for the tests requested.

Bethpage Water District Lab No. : 1604E54-002 25 Adams Ave.

Client Sample ID.: N-08941 Bethpage, NY 11714

www.pacelabs.com

Attn To: Michael Boufis Federal ID: 2902817

Collected: 04/15/2016 10:30 AM Point No N-08941 Received: 04/15/2016 10:56 AM Location: Well 6-2

Collected By: PS99

Analytical Method: E524.2 : POC	:					Analyst: MaiN
Parameter(s)	Results Qualifier	D.F.	Units	Limit	Analyzed:	Container:
				<u> </u>	04/18/2016 10:39 PM	
Bromodichloromethane	< 0.50	1	μg/L 			
Bromoform	< 0.50	1	μg/L		04/18/2016 10:39 PM	
Bromomethane	< 0.50	1	μg/L	5	04/18/2016 10:39 PM	Container-01 of 02
Carbon tetrachloride	0.82	1	μg/L	5	04/18/2016 10:39 PM	Container-01 of 02
Chlorobenzene	< 0.50	1	μg/L	5	04/18/2016 10:39 PM	Container-01 of 02
Chloroethane	< 0.50	1	μg/L	5	04/18/2016 10:39 PM	Container-01 of 02
Chloroform	0.80	1	μg/L		04/18/2016 10:39 PM	Container-01 of 02
Chloromethane	< 0.50	1	μg/L	5	04/18/2016 10:39 PM	Container-01 of 02
cis-1,2-Dichloroethene	1.58	1	μg/L	5	04/18/2016 10:39 PM	Container-01 of 02
cis-1,3-Dichloropropene	< 0.50	1	μg/L	5	04/18/2016 10:39 PM	Container-01 of 02
Dibromochloromethane	< 0.50	1	μg/L		04/18/2016 10:39 PM	Container-01 of 02
Dibromomethane	< 0.50	1	μg/L	5	04/18/2016 10:39 PM	Container-01 of 02
Dichlorodifluoromethane	< 0.50	1	μg/L	5	04/18/2016 10:39 PM	Container-01 of 02
Ethylbenzene	< 0.50	1	μg/L	5	04/18/2016 10:39 PM	Container-01 of 02
Hexachlorobutadiene	< 0.50	1	μg/L	5	04/18/2016 10:39 PM	Container-01 of 02
Isopropylbenzene	< 0.50	1	μg/L	5	04/18/2016 10:39 PM	Container-01 of 02
m,p-Xylene	< 0.50	1	μg/L	5	04/18/2016 10:39 PM	Container-01 of 02
Methyl tert-butyl ether	< 0.50	1	μg/L	10	04/18/2016 10:39 PM	Container-01 of 02
Methylene chloride	< 0.50	1	μg/L	5	04/18/2016 10:39 PM	Container-01 of 02
n-Butylbenzene	< 0.50	1	μg/L	5	04/18/2016 10:39 PM	Container-01 of 02
n-Propylbenzene	< 0.50	1	μg/L	5	04/18/2016 10:39 PM	Container-01 of 02
o-Xylene	< 0.50	1	μg/L	5	04/18/2016 10:39 PM	Container-01 of 02
sec-Butylbenzene	< 0.50	1	μg/L	5	04/18/2016 10:39 PM	Container-01 of 02
Styrene	< 0.50	1	μg/L	5	04/18/2016 10:39 PM	Container-01 of 02
•			. 🛫			

Qualifiers: E = Value above quantitation range, Value estimated.

B = Found in Blank

D.F. = Dilution Factor D = Results for Dilution

c = Calibration acceptability criteria exceeded for this analyte. Value estimated

H = Received/analyzed outside of analytical holding time

J = Estimated value - below calibration range

M-, M+ = Matrix Spike recovery below / above control limit

N = Indicates presumptive evidence of compound

P = Duplicate RPD outside of control limit

r = Reporting limit below calibration range. Value estimated.

S = Recovery outside of control limits for this analyte

+ = NYSDOH ELAP does not offer certification for this analyte / matrix / method Result(s) reported meet(s) NYS Regulatory Limit(s).

Result(s) flagged with * Exceed NYS Regulatory Limit(s). Limit noted.

Date Reported: 4/19/2016

Stu Munell Sr.Project Manager: Stu Murrell

Test results meet the requirements of NELAC unless otherwise noted.

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Page 5 of 11



575 Broad Hollow Road, Melville, NY 11747

FAX: (631) 420-8436 TEL: (631) 694-3040 NYSDOH ID#10478 www.pacelabs.com

LABORATORY RESULTS

Type: Potable Water Origin: Raw Well

Results are only for the samples and analytes requested. Routine

The lab is not directly responsible for the integrity of the sample before receipt at the lab and is responsible only for the tests requested.

Bethpage Water District

25 Adams Ave.

Bethpage, NY 11714

Client Sample ID.: N-08941

Attn To: Michael Boufis Federal ID: 2902817

Collected: 04/15/2016 10:30 AM Point No N-08941 Received: 04/15/2016 10:56 AM Location: Well 6-2

Collected By: PS99

Analytical Method: E524.2 : P	oc								Analyst: MaiN
Parameter(s)		Results	Qualifier	<u>D.F.</u>	<u>Units</u>		<u>Limit</u>	Analyzed:	Container:
tert-Butylbenzene		< 0.50		1	μg/L		5	04/18/2016 10:39 PM	Container-01 of 02
Tetrachloroethene		0.95		1	μg/L		5	04/18/2016 10:39 PM	Container-01 of 02
Toluene		< 0.50		1	μg/L		5	04/18/2016 10:39 PM	Container-01 of 02
Total Trihalomethanes		< 2.00		1	μg/L		80	04/18/2016 10:39 PM	Container-01 of 02
trans-1,2-Dichloroethene		< 0.50		1	μg/L		5	04/18/2016 10:39 PM	Container-01 of 02
trans-1,3-Dichloropropene		< 0.50		1	μg/L		5	04/18/2016 10:39 PM	Container-01 of 02
Trichloroethene	*	571	D*	25	μg/L		5	04/19/2016 9:25 AM	Container-02 of 02
Trichlorofluoromethane		< 0.50		1	μg/L		5	04/18/2016 10:39 PM	Container-01 of 02
Vinyl chloride		< 0.50		1	μg/L		2	04/18/2016 10:39 PM	Container-01 of 02
Surr: 1,2-Dichlorobenzene-d4		91.6		1	%Rec	Limit	70-130	04/18/2016 10:39 PM	Container-01 of 02
Surr: 4-Bromofluorobenzene		86.0		1	%Rec	Limit	70-130	04/18/2016 10:39 PM	Container-01 of 02

Lab No. : 1604E54-002

Qualifiers: E = Value above quantitation range, Value estimated.

B = Found in Blank

D.F. = Dilution Factor D = Results for Dilution

c = Calibration acceptability criteria exceeded for this analyte. Value estimated

H = Received/analyzed outside of analytical holding time

J = Estimated value - below calibration range

M-, M+ = Matrix Spike recovery below / above control limit

N = Indicates presumptive evidence of compound

P = Duplicate RPD outside of control limit

r = Reporting limit below calibration range. Value estimated.

S = Recovery outside of control limits for this analyte

+ = NYSDOH ELAP does not offer certification for this analyte / matrix / method

Result(s) reported meet(s) NYS Regulatory Limit(s).

Result(s) flagged with * Exceed NYS Regulatory Limit(s). Limit noted.

Date Reported: 4/19/2016

Stu Munell Sr.Project Manager: Stu Murrell

Test results meet the requirements of NELAC unless otherwise noted.

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Page 6 of 11



FAX: (631) 420-8436 TEL: (631) 694-3040 NYSDOH ID#10478 www.pacelabs.com

LABORATORY RESULTS

The lab is not directly responsible for the integrity of the sample before receipt at the lab and is responsible only for the tests requested.

Type: Potable Water Origin: Treated Well

Sample Information:

Results are only for the samples and analytes requested. Routine

Treatment

Bethpage Water District

25 Adams Ave.

Lab No. : 1604E54-003 Client Sample ID.: ASGAC-6-16-2 Bethpage, NY 11714

Treated-GAC

Attn To: Michael Boufis Federal ID: 2902817

Collected: 04/15/2016 10:30 AM Point No ASGAC-6-16-2 Received: 04/15/2016 10:56 AM Location: Plant 6 Airstripper/GAC

Collected By: PS99

Analytical Method: E524.2 : POC	>					Analyst: MaiN
Parameter(s)	Results Qualifier	<u>D.F.</u>	<u>Units</u>	<u>Limit</u>	Analyzed:	Container:
1,1,1,2-Tetrachloroethane	< 0.50	1	μg/L	5	04/18/2016 9:49 PM	Container-01 of 02
1,1,1-Trichloroethane	< 0.50	1	μg/L	5	04/18/2016 9:49 PM	Container-01 of 02
1,1,2,2-Tetrachloroethane	< 0.50	1	μg/L	5	04/18/2016 9:49 PM	Container-01 of 02
1,1,2-Trichloroethane	< 0.50	1	μg/L	5	04/18/2016 9:49 PM	Container-01 of 02
1,1-Dichloroethane	< 0.50	1	μg/L	5	04/18/2016 9:49 PM	Container-01 of 02
1,1-Dichloroethene	< 0.50	1	μg/L	5	04/18/2016 9:49 PM	Container-01 of 02
1,1-Dichloropropene	< 0.50	1	μg/L	5	04/18/2016 9:49 PM	Container-01 of 02
1,2,3-Trichlorobenzene	< 0.50	1	μg/L	5	04/18/2016 9:49 PM	Container-01 of 02
1,2,3-Trichloropropane	< 0.50	1	μg/L	5	04/18/2016 9:49 PM	Container-01 of 02
1,2,4-Trichlorobenzene	< 0.50	1	μg/L	5	04/18/2016 9:49 PM	Container-01 of 02
1,2,4-Trimethylbenzene	< 0.50	1	μg/L	5	04/18/2016 9:49 PM	Container-01 of 02
1,2-Dichlorobenzene	< 0.50	1	μg/L	5	04/18/2016 9:49 PM	Container-01 of 02
1,2-Dichloroethane	< 0.50	1	μg/L	5	04/18/2016 9:49 PM	Container-01 of 02
1,2-Dichloropropane	< 0.50	1	μg/L	5	04/18/2016 9:49 PM	Container-01 of 02
1,3,5-Trimethylbenzene	< 0.50	1	μg/L	5	04/18/2016 9:49 PM	Container-01 of 02
1,3-Dichlorobenzene	< 0.50	1	μg/L	5	04/18/2016 9:49 PM	Container-01 of 02
1,3-Dichloropropane	< 0.50	1	μg/L	5	04/18/2016 9:49 PM	Container-01 of 02
1,4-Dichlorobenzene	< 0.50	1	μg/L	5	04/18/2016 9:49 PM	Container-01 of 02
2,2-Dichloropropane	< 0.50	1	μg/L	5	04/18/2016 9:49 PM	Container-01 of 02
2/4-Chlorotoluene	< 0.50	1	μg/L	5	04/18/2016 9:49 PM	Container-01 of 02
4-lsopropyltoluene	< 0.50	1	μg/L	5	04/18/2016 9:49 PM	Container-01 of 02
Benzene	< 0.50	1	μg/L	5	04/18/2016 9:49 PM	Container-01 of 02
Bromobenzene	< 0.50	1	μg/L	5	04/18/2016 9:49 PM	Container-01 of 02
Bromochloromethane	< 0.50	1	μg/L	5	04/18/2016 9:49 PM	Container-01 of 02

Qualifiers: E = Value above quantitation range, Value estimated.

B = Found in Blank

D.F. = Dilution Factor D = Results for Dilution

c = Calibration acceptability criteria exceeded for this analyte. Value estimated

H = Received/analyzed outside of analytical holding time

J = Estimated value - below calibration range

M-, M+ = Matrix Spike recovery below / above control limit

N = Indicates presumptive evidence of compound

P = Duplicate RPD outside of control limit

r = Reporting limit below calibration range. Value estimated.

S = Recovery outside of control limits for this analyte

+ = NYSDOH ELAP does not offer certification for this analyte / matrix / method

Result(s) reported meet(s) NYS Regulatory Limit(s).

Result(s) flagged with * Exceed NYS Regulatory Limit(s). Limit noted.

Date Reported: 4/19/2016

Stu Munell Sr.Project Manager: Stu Murrell

Test results meet the requirements of NELAC unless otherwise noted.

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Page 7 of 11



FAX: (631) 420-8436 TEL: (631) 694-3040 NYSDOH ID#10478 www.pacelabs.com

LABORATORY RESULTS

Sample Information: Type: Potable Water Origin: Treated Well

Routine

Results are only for the samples and analytes requested. The lab is not directly responsible for the integrity of the sample before receipt at the lab and is responsible only for the tests requested.

Treatment

Bethpage Water District

25 Adams Ave.

Bethpage, NY 11714

Lab No. : 1604E54-003 Client Sample ID.: ASGAC-6-16-2

Treated-GAC

Attn To: Michael Boufis Federal ID: 2902817

Collected: 04/15/2016 10:30 AM Point No ASGAC-6-16-2 Received: 04/15/2016 10:56 AM Location: Plant 6 Airstripper/GAC

Collected By: PS99

Analytical Method: E524.2	: POC					Analyst: MaiN
Parameter(s)	Results Qualifier	<u>D.F.</u>	<u>Units</u>	<u>Limit</u>	<u>Analyzed:</u>	Container:
Bromodichloromethane	< 0.50	1	μg/L		04/18/2016 9:49 PM	Container-01 of 02
Bromoform	< 0.50	1	μg/L		04/18/2016 9:49 PM	Container-01 of 02
Bromomethane	< 0.50	1	μg/L	5	04/18/2016 9:49 PM	Container-01 of 02
Carbon tetrachloride	< 0.50	1	μg/L	5	04/18/2016 9:49 PM	Container-01 of 02
Chlorobenzene	< 0.50	1	μg/L	5	04/18/2016 9:49 PM	Container-01 of 02
Chloroethane	< 0.50	1	μg/L	5	04/18/2016 9:49 PM	Container-01 of 02
Chloroform	< 0.50	1	μg/L		04/18/2016 9:49 PM	Container-01 of 02
Chloromethane	< 0.50	1	μg/L	5	04/18/2016 9:49 PM	Container-01 of 02
cis-1,2-Dichloroethene	< 0.50	1	μg/L	5	04/18/2016 9:49 PM	Container-01 of 02
cis-1,3-Dichloropropene	< 0.50	1	μg/L	5	04/18/2016 9:49 PM	Container-01 of 02
Dibromochloromethane	< 0.50	1	μg/L		04/18/2016 9:49 PM	Container-01 of 02
Dibromomethane	< 0.50	1	μg/L	5	04/18/2016 9:49 PM	Container-01 of 02
Dichlorodifluoromethane	< 0.50	1	μg/L	5	04/18/2016 9:49 PM	Container-01 of 02
Ethylbenzene	< 0.50	1	μg/L	5	04/18/2016 9:49 PM	Container-01 of 02
Hexachlorobutadiene	< 0.50	1	μg/L	5	04/18/2016 9:49 PM	Container-01 of 02
Isopropylbenzene	< 0.50	1	μg/ L	5	04/18/2016 9:49 PM	Container-01 of 02
m,p-Xylene	< 0.50	1	μg/ L	5	04/18/2016 9:49 PM	Container-01 of 02
Methyl tert-butyl ether	< 0.50	1	μg/ L	10	04/18/2016 9:49 PM	Container-01 of 02
Methylene chloride	< 0.50	1	μg/ L	5	04/18/2016 9:49 PM	Container-01 of 02
n-Butylbenzene	< 0.50	1	μg/L	5	04/18/2016 9:49 PM	Container-01 of 02
n-Propylbenzene	< 0.50	1	μg/ L	5	04/18/2016 9:49 PM	Container-01 of 02
o-Xylene	< 0.50	1	μg/L	5	04/18/2016 9:49 PM	Container-01 of 02
sec-Butylbenzene	< 0.50	1	μg/L	5	04/18/2016 9:49 PM	Container-01 of 02
Styrene	< 0.50	1	μg/L	5	04/18/2016 9:49 PM	Container-01 of 02

Qualifiers: E = Value above quantitation range, Value estimated.

B = Found in Blank

D.F. = Dilution Factor D = Results for Dilution

c = Calibration acceptability criteria exceeded for this analyte. Value estimated

H = Received/analyzed outside of analytical holding time

J = Estimated value - below calibration range

M-, M+ = Matrix Spike recovery below / above control limit

N = Indicates presumptive evidence of compound

P = Duplicate RPD outside of control limit

r = Reporting limit below calibration range. Value estimated.

S = Recovery outside of control limits for this analyte

+ = NYSDOH ELAP does not offer certification for this analyte / matrix / method

Result(s) reported meet(s) NYS Regulatory Limit(s).

Result(s) flagged with * Exceed NYS Regulatory Limit(s). Limit noted.

Date Reported: 4/19/2016

Stu Munell

Sr.Project Manager: Stu Murrell

Test results meet the requirements of NELAC unless otherwise noted.

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Page 8 of 11



FAX: (631) 420-8436 TEL: (631) 694-3040 NYSDOH ID#10478 www.pacelabs.com

LABORATORY RESULTS

Sample Information: Type: Potable Water

Origin: Treated Well

Routine

Results are only for the samples and analytes requested. The lab is not directly responsible for the integrity of the sample before receipt at the lab and is responsible only for the tests requested.

Treatment

Bethpage Water District

25 Adams Ave.

Bethpage, NY 11714

Lab No. : 1604E54-003 Client Sample ID.: ASGAC-6-16-2

Treated-GAC

Attn To: Michael Boufis

Federal ID: 2902817

Collected: 04/15/2016 10:30 AM Point No ASGAC-6-16-2 Received: 04/15/2016 10:56 AM Location: Plant 6 Airstripper/GAC

Collected By: PS99

			·				
Analytical Method: E524.2 : PO	С						Analyst: MaiN
Parameter(s)	Results Qualifier	<u>D.F.</u>	<u>Units</u>		<u>Limit</u>	Analyzed:	Container:
tert-Butylbenzene	< 0.50	1	μg/L		5	04/18/2016 9:49 PM	Container-01 of 02
Tetrachloroethene	< 0.50	1	μg/L		5	04/18/2016 9:49 PM	Container-01 of 02
Toluene	< 0.50	1	μg/L		5	04/18/2016 9:49 PM	Container-01 of 02
Total Trihalomethanes	< 2.00	1	μg/L		80	04/18/2016 9:49 PM	Container-01 of 02
trans-1,2-Dichloroethene	< 0.50	1	μg/L		5	04/18/2016 9:49 PM	Container-01 of 02
trans-1,3-Dichloropropene	< 0.50	1	μg/L		5	04/18/2016 9:49 PM	Container-01 of 02
Trichloroethene	< 0.50	1	μg/L		5	04/18/2016 9:49 PM	Container-01 of 02
Trichlorofluoromethane	< 0.50	1	μg/L		5	04/18/2016 9:49 PM	Container-01 of 02
Vinyl chloride	< 0.50	1	μg/L		2	04/18/2016 9:49 PM	Container-01 of 02
Surr: 1,2-Dichlorobenzene-d4	87.8	1	%Rec	Limit	70-130	04/18/2016 9:49 PM	Container-01 of 02
Surr: 4-Bromofluorobenzene	80.6	1	%Rec	Limit	70-130	04/18/2016 9:49 PM	Container-01 of 02

Qualifiers: E = Value above quantitation range, Value estimated.

B = Found in Blank

D.F. = Dilution Factor D = Results for Dilution

c = Calibration acceptability criteria exceeded for this analyte. Value estimated

H = Received/analyzed outside of analytical holding time

J = Estimated value - below calibration range

M-, M+ = Matrix Spike recovery below / above control limit

N = Indicates presumptive evidence of compound

P = Duplicate RPD outside of control limit

r = Reporting limit below calibration range. Value estimated.

S = Recovery outside of control limits for this analyte

+ = NYSDOH ELAP does not offer certification for this analyte / matrix / method

Result(s) reported meet(s) NYS Regulatory Limit(s).

Result(s) flagged with * Exceed NYS Regulatory Limit(s). Limit noted.

Date Reported: 4/19/2016

Stu Munell Sr.Project Manager: Stu Murrell

Test results meet the requirements of NELAC unless otherwise noted.

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Page 9 of 11



PACE ANALYTICAL 575 Broad Hollow Road Melville, NY 11747

Sample Receipt Checklist

TEL: (631) 694-3040 FAX: (631) 420-8436 Website: <u>www.pacelabs.com</u>

Client Name BWD Date and Time Received: 4/15/2016 10:56:00 AM Work Order Number: 1604E54 RcptNo: 1 Received by Linda Siciliano Stu Munell Completed by: Reviewed by: 4/15/2016 2:52:01 PM Completed Date: 4/15/2016 11:52:25 AM Reviewed Date: Carrier name: Client Chain of custody present? Yes No 🗔 Chain of custody signed when relinquished and received? Yes No Chain of custody agrees with sample labels? ✓ No ___ Yes No 🗌 Are matrices correctly identified on Chain of custody? Yes Is it clear what analyses were requested? No 🗌 Yes Not Present Custody seals intact on sample bottles? No ___ Yes ✓ No 🗌 Samples in proper container/bottle? Yes Were correct preservatives used and noted? No 🗀 NA Yes Preservative added to bottles: Broken Sample Condition? Intact Leaking No 🗌 Sufficient sample volume for indicated test? Yes Were container labels complete (ID, Pres, Date)? Yes **V** No 🗌 ✓ All samples received within holding time? No ___ Yes Yes 🗸 No 🗌 Was an attempt made to cool the samples? NA All samples received at a temp. of > 0° C to 6.0° C? No 🗹 NA Yes Response when temperature is outside of range: Samples were collected the same day and chilled. Sample Temp. taken and recorded upon receipt? Yes V No To 14.9 ° **V** Water - Were bubbles absent in VOC vials? No 🗀 Yes No Vials **V** No 🗀 Water - Was there Chlorine Present? Yes NA ✓ No No Water Water - pH acceptable upon receipt? Yes Are Samples considered acceptable? ✓ No 🗌 Yes No 🗸 Custody Seals present? Yes Air Bil Sticker ___ Not Present Airbill or Sticker? Airbill No: Case Number: SDG: SAS: Any No response should be detailed in the comments section below, if applicable. ✓ NA Client Contacted? Yes No Person Contacted: Contact Mode: Phone: Fax: Email: In Person: Client Instructions: Date Contacted: Contacted By: Regarding: Comments: CorrectiveAction:



 $\frac{\text{WorkOrder:}}{1604\text{E}54}$

Certifications

S TATE	CERTIFICATION#
NEW YORK	10478
NEWJERSEY	NY1 58
CONNECTICUT	PH-0435
MARYLAND	208
MAS S ACHUS ETTS	MNY026
NEW HAMPS HIRE	2987
RHODE IS LAND	LAO00340
PENNS YLVANIA	68-00350

Page 11 of 11



LABORATORY RESULTS

Results are only for the samples and analytes requested.

Sample Information:

Type: Potable Water Origin: Raw Well

Special

The lab is not directly responsible for the integrity of the sample before receipt at the lab and is responsible only for the tests requested.

Bethpage Water District

25 Adams Ave.

Bethpage, NY 11714

Lab No. : 1604E53-001 Client Sample ID. : N-03876

Attn To: Michael Boufis
Federal ID: 2902817

Collected : 04/15/2016 10:30 AM Point No: N-03876 Received : 04/15/2016 10:56 AM Location: Well 6-1

Collected By: PS99

Analytical Method: E522:		Pre	p Method: E52	2	Prep Date: 4	l/15/2016 1:03:36 PM	Analyst: SH
Parameter(s)	<u>Results</u>	Qualifier	<u>D.F.</u>	<u>Units</u>	<u>Limit</u>	Analyzed:	Container:
1,4-Dioxane	12	D	+ 5	μg/L		04/18/2016 3:28 PM	Container-01 of 02
Surr: 1,4-Dioxane-D8	105		1	%Rec	Limit 70-130	04/17/2016 12:08 AM	Container-01 of 02

Qualifiers: E = Value above quantitation range, Value estimated.

B = Found in Blank

D.F. = Dilution Factor D = Results for Dilution

c = Calibration acceptability criteria exceeded for this analyte. Value estimated

H = Received/analyzed outside of analytical holding time

J = Estimated value - below calibration range

M-, M+ = Matrix Spike recovery below / above control limit

N = Indicates presumptive evidence of compound

P = Duplicate RPD outside of control limit

r = Reporting limit below calibration range. Value estimated.

S = Recovery outside of control limits for this analyte

+ = NYSDOH ELAP does not offer certification for this analyte / matrix / method Result(s) reported meet(s) NYS Regulatory Limit(s).

Result(s) flagged with ** Exceed NYS Regulatory Limit(s). Limit noted.

Date Reported: 4/19/2016

Stu Munell Sr.Project Manager : Stu Murrell

Test results meet the requirements of NELAC unless otherwise noted.

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Page 1 of 5



LABORATORY RESULTS

Results are only for the samples and analytes requested.

The lab is not directly responsible for the integrity of the sample before

receipt at the lab and is responsible only for the tests requested.

Sample Information: Type: Potable Water

Origin: Raw Well

Special

Bethpage Water District

25 Adams Ave.

Lab No. : 1604E53-002

Client Sample ID.: N-08941 Bethpage, NY 11714

Attn To: Michael Boufis Federal ID: 2902817

Collected: 04/15/2016 10:30 AM Point No: N-08941 Received: 04/15/2016 10:56 AM Location: Well 6-2

Collected By: PS99

Analytical Method: E522 :		Pre	p Method: E52	22	Prep Date: 4	Prep Date: 4/15/2016 1:03:36 PM		
Parameter(s)	<u>Results</u>	Qualifier	<u>D.F.</u>	<u>Units</u>	<u>Limit</u>	Analyzed:	Container:	
1,4-Dioxane	7.3	D	+ 5	μg/L		04/17/2016 2:10 AM	Container-01 of 02	
Surr: 1,4-Dioxane-D8	93.3		1	%Rec	Limit 70-130	04/17/2016 12:32 AM	Container-01 of 02	

Qualifiers: E = Value above quantitation range, Value estimated.

B = Found in Blank

D.F. = Dilution Factor D = Results for Dilution

c = Calibration acceptability criteria exceeded for this analyte. Value estimated

H = Received/analyzed outside of analytical holding time

J = Estimated value - below calibration range

M-, M+ = Matrix Spike recovery below / above control limit

N = Indicates presumptive evidence of compound

P = Duplicate RPD outside of control limit

r = Reporting limit below calibration range. Value estimated.

S = Recovery outside of control limits for this analyte

+ = NYSDOH ELAP does not offer certification for this analyte / matrix / method Result(s) reported meet(s) NYS Regulatory Limit(s).

Result(s) flagged with ** Exceed NYS Regulatory Limit(s). Limit noted.

Date Reported: 4/19/2016

Stu Munell Sr.Project Manager: Stu Murrell

Test results meet the requirements of NELAC unless otherwise noted.

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Page 2 of 5



LABORATORY RESULTS

Sample Information: Type: Potable Water

Origin: Treated Well

Special

Results are only for the samples and analytes requested. The lab is not directly responsible for the integrity of the sample before

receipt at the lab and is responsible only for the tests requested.

Treatment

Bethpage Water District

25 Adams Ave. Bethpage, NY 11714

Lab No. : 1604E53-003 Client Sample ID.: ASGAC-6-16-2

Treated-GAC

Attn To: Michael Boufis Federal ID: 2902817

Collected: 04/15/2016 10:30 AM Point No: ASGAC-6-16-2 Received: 04/15/2016 10:56 AM Location: Plant 6 Airstripper/GAC

Collected By: PS99

Analytical Method: E522 :	Prep Method: E522				Prep Date: 4	Prep Date: 4/15/2016 1:03:36 PM		
Parameter(s)	<u>Results</u>	Qualifier	<u>D.F.</u>	<u>Units</u>	<u>Limit</u>	Analyzed:	Container:	
1,4-Dioxane	12	D	+ 5	μg/L		04/17/2016 2:35 AM	Container-01 of 02	
Surr: 1,4-Dioxane-D8	98.2		1	%Rec	Limit 70-130	04/17/2016 12:57 AM	Container-01 of 02	

Qualifiers: E = Value above quantitation range, Value estimated.

B = Found in Blank

D.F. = Dilution Factor D = Results for Dilution

c = Calibration acceptability criteria exceeded for this analyte. Value estimated

H = Received/analyzed outside of analytical holding time

J = Estimated value - below calibration range

M-, M+ = Matrix Spike recovery below / above control limit

N = Indicates presumptive evidence of compound

P = Duplicate RPD outside of control limit

r = Reporting limit below calibration range. Value estimated.

S = Recovery outside of control limits for this analyte

+ = NYSDOH ELAP does not offer certification for this analyte / matrix / method Result(s) reported meet(s) NYS Regulatory Limit(s).

Result(s) flagged with ** Exceed NYS Regulatory Limit(s). Limit noted.

Date Reported: 4/19/2016

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Page 3 of 5



PACE ANALYTICAL 575 Broad Hollow Road Melville, NY 11747

Sample Receipt Checklist

TEL: (631) 694-3040 FAX: (631) 420-8436 Website: <u>www.pacelabs.com</u>

Client Name BWD					Date and T	ime Received:	4/15/2016 10:56:00 AM	
Work Order Number: 1604E53 RcptNo: 1			Received by: Linda Siciliano					
Completed by:	John	State	••••			•	Nurell	
Completed Date: 4/15/2016 11:50:31 AM			Reviewed Date:			<u>4/15/201</u>	<u>6 2:47:43 PM</u>	
Carrier name: Client								
Chain of custody prese	ent?		Yes	✓	No 🗌			
Chain of custody signed when relinquished and received?			Yes	✓	No 📙			
Chain of custody agrees with sample labels?			Yes	✓	No 📙			
Are matrices correctly identified on Chain of custody?			Yes	✓	No 📙			
Is it clear what analyses were requested?			Yes	~	No 🗔			
Custody seals intact o	n sample bottles'	?	Yes		No 📙	Not Present	✓	
Samples in proper container/bottle?			Yes	V	No 📙		[]	
Were correct preservatives used and noted? Preservative added to bottles:			Yes	✓	No 🗔	NA		
Sample Condition?			Intact	✓	Broken	Leaking		
Sufficient sample volume for indicated test?			Yes	✓	No 🗌	· ·		
Were container labels complete (ID, Pres, Date)?			Yes	~	No 🗌			
All samples received within holding time?			Yes	✓	No 🗌			
Was an attempt made	to cool the samp	oles?	Yes	~	No 🗌	NA		
All samples received a			Yes		No 🗹	NA		
Response when temper	erature is outside	of range:	Sample	Samples were collected the same day and chilled.				
Sample Temp. taken a	and recorded upo	n receipt?	Yes	✓	No 🗌	To 14	.9 °	
Water - Were bubbles	absent in VOC v	ials?	Yes		No 🗔	No Vials	✓	
Water - Was there Ch	lorine Present?		Yes		No 🗆	NA	\checkmark	
Water - pH acceptable	upon receipt?		Yes	✓	No 🗀	No Water		
Are Samples considered acceptable?			Yes	✓	No 🗌			
Custody Seals present	t?		Yes		No 🗹			
Airbill or Sticker?			Air Bill		Sticker 🗌	Not Present	✓	
Airbill No:								
Case Number:		SDG:		5	SAS:			
Any No response should be detailed in the comments section below, if applicable.								
	=====	=====	=====	===		=====		
Client Contacted?	Yes	No 🗹 NA	Person Cont	acted:				
Contact Mode:	Phone:	Fax:	Email:		In Person:			
Client Instructions:								
Date Contacted: Conta			acted By:					
Regarding:								
Comments:								
CorrectiveAction:								



<u>WorkOrder</u>: 1604E53

Certifications

STATE	CERTIFICATION #			
NEW YORK	10478			
NEW JERSEY	NY158			
CONNECTICUT	PH-0435			
MARYLAND	208			
MASSACHUSETTS	M-NY026			
NEW HAMPSHIRE	2987			
RHODE ISLAND	LAO00340			
PENNSYLVANIA	68-00350			

Page 5 of 5